

Contents to volume 69

Computational physics	<i>Issue</i>	<i>Page</i>
Hossain, M., W.H. Matthaeus and S. Ghosh On computing high order Galerkin products	1	1
Berg, B.A. Double jackknife bias-corrected estimators	1	7
Ezawa, Y., T. Hayashi, M. Kikugawa, J. Kodaira, T. Muta, R. Najima, J. Saito, S. Wakaizumi, T. Watanabe, T. Yano and M. Yonezawa Brown-Feynman reduction of one-loop Feynman diagrams to scalar integrals with orthonormal basis tensors	1	15
Aiani, K.E. and J.S. Hutchinson Evaluation of overlap matrix elements by the transformation method (HEG)	1	46
Gravielle, M.S. and J.E. Miraglia Some Nordsieck integrals of interest in radiation and atomic collision theories	1	53
Larsen, F. and H. Flyvbjerg Efficient evaluation of Feynman diagrams on lattices	1	59
Berg, B.A. Monte Carlo calculation of confidence limits for realistic least square fitting	1	65
Narayanan, K.S.S. Comment on a paper by K.J.F. Gaemers (Comput.Phys.Comm. 22(1981)115)	1	73
Morales, J.J. and M.J. Nuevo Comparison of link-cell and neighbourhood tables on a range of computers	2&3	223
MacLeod, A.J. The numerical computation of transport integrals	2&3	229
Sharan, P. Symbolic computation of Wigner-Kirkwood expansion to $\mathcal{O}(\hbar^8)$	2&3	235
Evans, G.A. Computing time-dependent eddy currents in tokamaks	2&3	243
Vu, H.X. and J.U. Brackbill CELEST1D: an implicit, fully kinetic model for low-frequency, electromagnetic plasma simulation	2&3	253
Han, J.H. and J.N. Leboeuf Particle simulation model of the Lorentz collision operator in guiding-center plasmas	2&3	277
Lütjens, H., A. Bondeson and A. Roy Axisymmetric MHD equilibrium solver with bicubic Hermite elements	2&3	287

Computational physics (continued)	<i>Issue</i>	<i>Page</i>
Gibbon, P. A numerical model of the plasma beat-wave accelerator	2&3	299
Villasenor, J. and O. Buneman Rigorous charge conservation for local electromagnetic field solvers	2&3	306
Shida, K. and Y. Anzai Reduction of the event-list for molecular dynamic simulation	2&3	317
Chang, C.-H. and J.-X. Wang A general method for calculating principal value integrals numerically in an N -dimensional region	2&3	330
Bhattacharya, R., D. Roy and S. Bhowmick Finding roots using divergent functional iteration	2&3	339
Chilingarian, A.A. Dimensionality analysis of multiparticle production at high energies	2&3	347
Computer programs in physics		
Burke, V.M., P.G. Burke and N.S. Scott A new no-exchange R -matrix program	1	76
Weese, J. A reliable and fast method for the solution of Fredholm integral equations of the first kind based on Tikhonov regularization	1	99
Oleari, C. and G. Formaleoni (θ, δ) uniform-scale chromaticity diagram	1	112
Karimäki, V. Fast code to fit circular arcs	1	133
Takada, K. Programs for algebraic calculation of angular momentum coupling	1	142
Kwiatkowski, A., H. Spiesberger and H.-J. Möhring HERACLES: an event generator for ep interactions at HERA energies including radiative processes	1	155
Graudenz, D. Calculation of long traces of γ -matrices in the dimensional regularization scheme	1	173
Barb, F.D., O. Netoiu, M. Sorescu and M. Weiss SPECFIT – an interactive package for Mössbauer spectra fitting with personal computers	1	182
Otten, J., A. Bledowski, K.H. Ringhofer and R.A. Rupp Dynamical holographic storage in photorefractive crystals	1	187
Verbruggen, M.H.W. and J.M.M. de Nijs Analysis of spectroscopic ellipsometric measurements	1	201
Bocko, J. EQSHELL – a REDUCE-based program for generation of equations of equilibrium for shells	1	215

Computer programs in physics (continued)*Issue Page*

Charchula, K.

The package PAKPDF 1.1 of parametrizations of parton distribution functions in the proton

2&3 360

Schmitz, J., H.-R. Trebin and U. Rössler

TRSS: a new version of program TRS for a different geometry

2&3 369

Kumano, S. and J.T. Londergan

A FORTRAN program for numerical solution of the Altarelli-Parisi equations by the Laguerre method

2&3 373

Betrán-López, V. and L. González-Tovany

POWDERSPEC, a program for efficient simulation of isotropic EPR spectra

2&3 397

Yousif, H.A. and E. Boutros

A FORTRAN code for the scattering of EM plane waves by an infinitely long cylinder at oblique incidence

2&3 406

Taubmann, G.

Parabolic cylinder functions $U(n, x)$ for natural n and positive x

2&3 415

Lomba, E. and J.S. Høye

HNCR – a program to calculate the structure and thermodynamics of binary mixtures of charged hard spheres

2&3 420

Sonzogni, A.A., A.S.M.A. Romo, W.R. Frosch and S.J. Nassiff

A code to determine the energy distribution, the incident energy and the flux of a beam of light ions into a stack of foils

2&3 429

Yasar, O. and G.A. Moses

R-MHD: an adaptive-grid radiation-magnetohydrodynamics computer code

2&3 439

Block, M.M.

Monte Carlo phase space evaluation

2&3 459

Morrison, T.P.

POP – an interactive charged particle transport system design tool

2&3 477

James, F.

Erratum notice. A review of pseudorandom number generators

2&3 486

Hockney, R.W.

Book review

2&3 487